

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00544 ~ SR2MRX-XT13LE1-XD2FXXK-XNMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00544
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 12/28/2016
 [UPDATE] 4/19/2017
 [LUMCAT] SR2MRx-XT13L-E1-xD2F-xxK-XN-MW-NL
 [LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Xtra Narrow Beam
 [OTHER] Matte White Trim, No lens
 [OTHER] 14.4 Degree Beam Angle
 [LAMP] N/A
 [LAMPCAT] N/A, Min. 83 CRI
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] For New Construction Non-IC Housing: SR2MO-XT-series
 [OTHER] For Remodel/Retrofit Housing: SR2MR-XT-Series
 [OTHER] For RD2F or SD2F Downlight Trim
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] This report prepared by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1224
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	20.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.26
Spacing Criterion (90-270)	0.28
Spacing Criterion (Diagonal)	0.26
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.24 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6179	7258	6394
55	10156	10402	10021
65	5575	5588	5392
75	3653	3377	2351
85	3314	3101	4853

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	8451.332	8451.332	8451.332	8451.332	8451.332
5	6070.896	6210.690	6350.484	6340.175	6329.865
10	1903.806	2103.506	2303.206	2268.490	2233.773
15	797.201	775.568	753.934	756.605	759.275
20	587.977	591.394	594.811	593.213	591.614
25	562.180	562.697	563.214	562.214	561.213
30	506.836	497.983	489.129	484.362	479.594
35	258.506	239.363	220.219	213.151	206.083
40	49.435	45.848	42.260	40.329	38.397
45	17.622	19.162	20.701	19.469	18.236
50	17.145	17.412	17.679	19.108	20.537
55	23.495	23.779	24.063	23.623	23.183
60	20.929	18.346	15.762	16.774	17.786
65	9.503	9.514	9.525	9.358	9.191
70	6.032	5.734	5.435	6.421	7.407
75	3.813	3.669	3.525	2.990	2.454
80	1.692	1.181	0.669	0.840	1.011
85	1.165	1.128	1.090	1.398	1.706
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	765.81	N.A.	62.60
0-30	1020.26	N.A.	83.40
0-40	1170.85	N.A.	95.70
0-60	1208.66	N.A.	98.80
0-80	1222.77	N.A.	99.90
0-90	1223.73	N.A.	100.00
10-90	744.98	N.A.	60.90
20-40	405.04	N.A.	33.10
20-50	424.18	N.A.	34.70
40-70	48.30	N.A.	3.90
60-80	14.11	N.A.	1.20
70-80	3.62	N.A.	0.30
80-90	0.96	N.A.	0.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1223.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	478.75
10-20	287.07
20-30	254.45
30-40	150.58
40-50	19.15
50-60	18.66
60-70	10.49
70-80	3.62
80-90	0.96
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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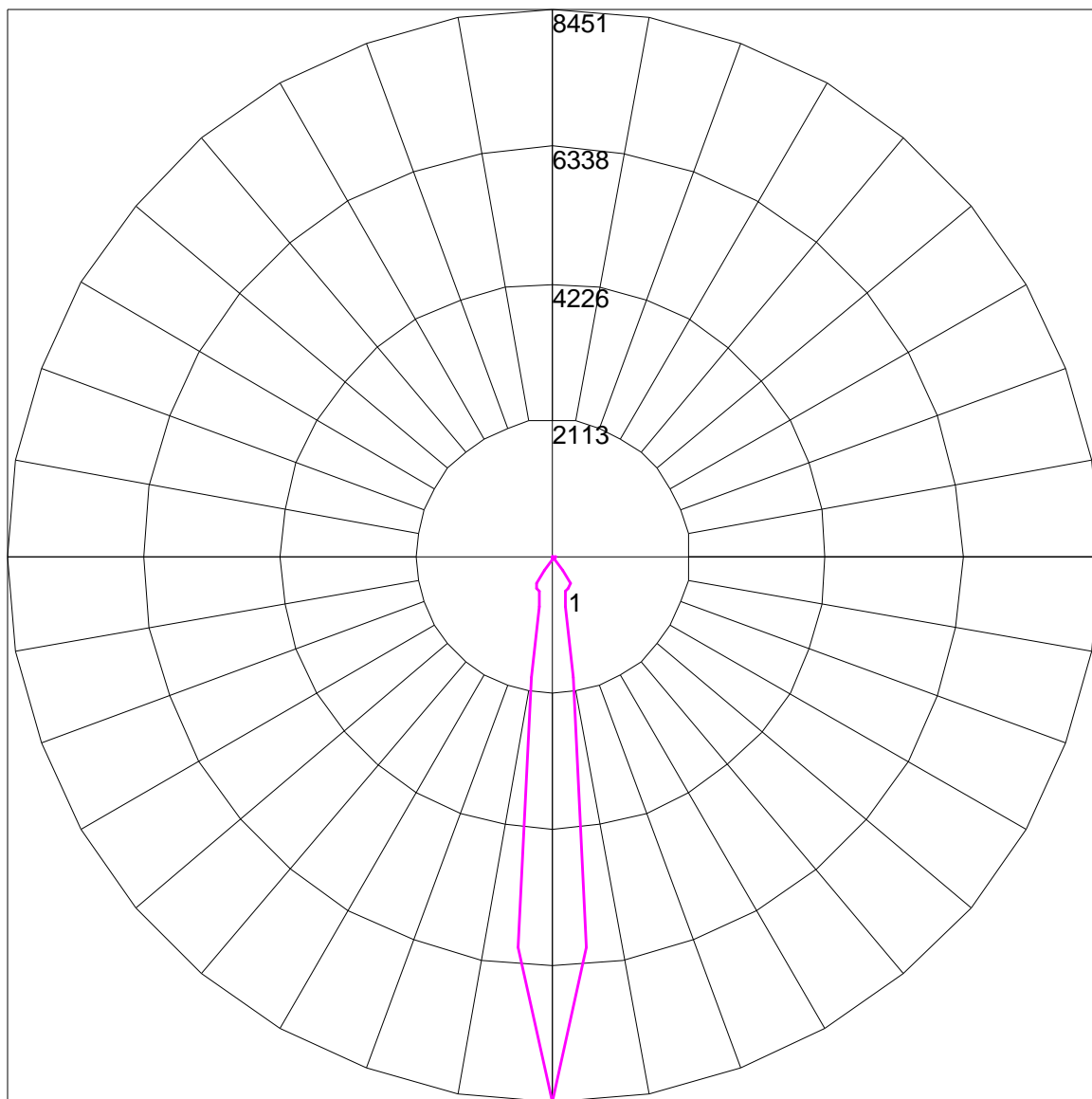
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	94	104	99	96	93	97	94	91	95	92	90	92	90	89	87
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84
5	99	92	87	84	97	91	87	84	90	86	83	88	85	82	87	84	82	80
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77
7	92	85	80	77	91	84	80	77	83	79	77	82	79	76	81	78	76	75
8	89	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72
9	87	79	75	72	86	79	75	72	78	74	72	77	74	71	77	73	71	70
10	84	77	73	70	83	77	72	70	76	72	69	75	72	69	75	71	69	68

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POLAR GRAPH



Maximum Candela = 8451.332 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)